

### IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A composition comprising: ~~an amount of an immunologically active protein comprising~~  
an amount of an immunologically active purified protein derived from *Borrelia burgdorferi* wherein the protein is characterized in that it
  - a. elicits an immunological response from a mammal;
  - b. has been prepared by expression in a bacterium other than *Borrelia burgdorferi*;
  - c. is free of other proteins derived from *Borrelia burgdorferi*; and
  - d. is a protein having SEQ ID NO:11, SEQ ID NO:15, at least 10 amino acids of SEQ ID NO:11, or at least 10 amino acids of SEQ ID NO:15, and  
a pharmaceutically acceptable carrier, ~~which amount~~ wherein the amount of the protein is  
effective to immunize a susceptible mammal against infection caused by *Borrelia burgdorferi*.
2. (Canceled).
3. (Original) The composition of claim 1, which further comprises an effective amount of immune stimulating agent.
4. (Currently Amended) A composition comprising: ~~an amount of an immunologically active protein comprising~~  
an amount of an immunologically active purified protein derived from *Borrelia burgdorferi* wherein the protein is characterized in that it
  - a. elicits an immunological response from a mammal;
  - b. has been prepared by expression in a bacterium other than *Borrelia burgdorferi*;
  - c. is free of other proteins derived from *Borrelia burgdorferi*; and

d.          is a protein having SEQ ID NO:11, SEQ ID NO:15, at least 10 amino acids of SEQ ID NO:11, or at least 10 amino acids of SEQ ID NO:15, and a pharmaceutically acceptable carrier, ~~which amount~~ wherein the amount of the protein is effective to stimulate the formation of antibodies against *Borrelia burgdorferi* in a person.

5. (Original) The composition of claim 4, which further comprises an effective amount of immune stimulating agent.